

From: Steadman, David (AU1652)
Sent: Monday, September 16, 2002 7:17 AM
To: STIC-Biotech/ChemLib
Subject: 09/583,310 sequence search request

NAME: David Steadman
AU: 1652
Date: 09/16/02
Office: 10D-04
Mailbox: 10D-01
Case Serial #: 09/583,310

Please search the following sequences in commercial and interference databases:

- 1) SEQ ID NO:5 (polynucleotide sequence) against **nucleic acid** databases.
- 2) SEQ ID NO:7 (polynucleotide sequence) against **nucleic acid** databases.

Please compare the following sequences:

- 3) Please compare the polynucleotide sequence of SEQ ID NO:5 against the polynucleotide sequence of SEQ ID NO:7.
- 4) Please compare the polynucleotide sequence of SEQ ID NO:5 against the polypeptide sequence of SEQ ID NO:6
- 5) Please compare the polynucleotide sequence of SEQ ID NO:5 against the polypeptide sequence of SEQ ID NO:8

Please save search results to diskette.

Thank you very much.

David J. Steadman
Art Unit 1652
Crystal Mall 1 Room 10D-04
703-308-3934

Point of Contact
P. Sheppard
Telephone number: (703) 308-4492

TYPE OF SEARCH:

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: _____
Date Completed: 9/25/02
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)

STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
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Other (specify): _____

RECEIVED
SEP 16 2002
STIC/CH/CA, D.V. (STIC)

SEQ ID NO: 5

SEQ ID NO:5

HSFMO3

LOCUS HSFMO3 1913 bp mRNA linear PRI 17-APR-1996

DEFINITION H.sapiens mRNA for flavin-containing monooxygenase 3 (FMO3).

ACCESSION Z47552

VERSION Z47552.1 GI:623239

KEYWORDS flavin-containing monooxygenase 3.

SOURCE human.

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 1913)

AUTHORS Dolphin,C.T., Cullingford,T.E., Shephard,E.A., Smith,R.L. and Phillips,I.R.

TITLE Differential developmental and tissue-specific regulation of expression of the genes encoding three members of the flavin-containing monooxygenase family of man, FMO1, FMO3 and FMO4

JOURNAL Eur. J. Biochem. 235 (3), 683-689 (1996)

MEDLINE 96184548

REFERENCE 2 (bases 1 to 1913)

AUTHORS Dolphin,C.T.

TITLE Direct Submission

JOURNAL Submitted (12-JAN-1995) Colin T Dolphin, Biochemistry, Queen Mary and Westfield College, University of London, Mile End Road, London, E1 4NS, UK

FEATURES Location/Qualifiers

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LOCUS HSFMO3 1913 bp mRNA linear PRI 17-APR-1996
DEFINITION H.sapiens mRNA for flavin-containing monooxygenase 3 (FMO3).
ACCESSION Z47552
VERSION Z47552.1 GI:623239
KEYWORDS flavin-containing monooxygenase 3.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1913)
AUTHORS Dolphin,C.T., Cullingford,T.E., Shephard,E.A., Smith,R.L. and
Phillips,I.R.
TITLE Differential developmental and tissue-specific regulation of
expression of the genes encoding three members of the
flavin-containing monooxygenase family of man, FMO1, FMO3 and FMO4
JOURNAL Eur. J. Biochem. 235 (3), 683-689 (1996)
MEDLINE 96184548
REFERENCE 2 (bases 1 to 1913)
AUTHORS Dolphin,C.T.
TITLE Direct Submission
JOURNAL Submitted (12-JAN-1995) Colin T Dolphin, Biochemistry, Queen Mary
and Westfield College, University of London, Mile End Road, London,
E1 4NS, UK
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 RELEASE

 (TM)

Release 3.1a John F. Collins, Biocomputing Research Unit.
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MPearch_n n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Tue May 11 18:32:03 1999; MasPar time 2467.67 Seconds

Database output not generated. 1531.292 Million cell updates/sec

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Perfect Score: 1599

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Scoring table: TABLE default

Gap 6

Mmatch STD : Dbase 0; Query 0

Searched: 602357.seqs, 1181590623 bases x 2

Post-processing: Minimum Match 0%

Listing first 45 summaries

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Statistics: Mean 11.379; Variance 5.098; scale 2.232

Pred. No. is the number of results predicted by chance to have a
 score greater than or equal to the score of the result being printed,
 and is derived by analysis of the total score distribution.

SUMMARIES

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3	1475	92.2	2106	26	HUMMOXYI	Human flavin-containin	0.00e+00
4	1128	70.5	2584	20	RABFMOA	Rabbit flavin-containin	0.00e+00
5	1023	64.0	2020	29	MM087147	Mus musculus flavin-co	0.00e+00
6	397	24.8	1776	29	GPFCMOX	Cavia porcellus flavin	0.00e+00
7	389	24.3	2601	20	RABFMOA	Rabbit flavin-containin	0.00e+00
8	383	23.5	1736	26	PIGFM0A	Pig hepatic flavin-con	0.00e+00
9	376	23.1	1713	28	HSFMO2	H.sapiens mRNA for fla	0.00e+00
10	369	22.8	2134	26	HUMFMO1	Human flavin-containin	0.00e+00
11	365	22.4	799	28	HSFMO3G6	Homo sapiens flavin co	3.69e-295
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RESULT LOCUS	1	HSFMO3	1913 bp	RNA	PRI	17-APR-1996
DEFINITION		H.sapiens mRNA for flavin-containing monooxygenase 3 (FMO3).				
ACCESSION		Z47552				
KEYWORDS		flavin-containing monooxygenase 3.				
SOURCE		human.				
ORGANISM		Homo sapiens				
REFERENCE		Eukaryotes; mitochondrial eukaryotes; Metazoa; Chordata; Vertebrata; Eutheria; Primates; Catarrhini; Hominiidae; Homo. (bases 1 to 1913)				
AUTHORS		Dolphin, C.T., Cullingford, T.E., Shepherd, F.A., Smith, R.L. and Phillips, T.R.				
TITLE		Differential developmental and tissue-specific regulation of expression of the genes encoding three members of the flavin-containing monooxygenase family of man, FMO1, FMO3 and FMO4 Eur. J. Biochem. 235 (3), 683-689 (1996)				
REFERENCE		96184548				
AUTHORS		2 (bases 1 to 1913)				
TITLE		Dolphin, C.T.				
JOURNAL		Submitted (12-JAN-1995) Colin T Dolphin, Biochemistry, Queen Mary and Westfield College, University of London, Mile End Road, London, E1 4NS, UK				
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ALIGNMENTS

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DEFINITION		H.sapiens mRNA for flavin-containing monooxygenase 3 (FMO3).				
ACCESSION		Z47552				
KEYWORDS		flavin-containing monooxygenase 3.				
SOURCE		human.				
ORGANISM		Homo sapiens				
REFERENCE		Eukaryotes; mitochondrial eukaryotes; Metazoa; Chordata; Vertebrata; Eutheria; Primates; Catarrhini; Hominiidae; Homo. (bases 1 to 1913)				
AUTHORS		Dolphin, C.T., Cullingford, T.E., Shepherd, F.A., Smith, R.L. and Phillips, T.R.				
TITLE		Differential developmental and tissue-specific regulation of expression of the genes encoding three members of the flavin-containing monooxygenase family of man, FMO1, FMO3 and FMO4 Eur. J. Biochem. 235 (3), 683-689 (1996)				
REFERENCE		96184548				
AUTHORS		2 (bases 1 to 1913)				
TITLE		Dolphin, C.T.				
JOURNAL		Submitted (12-JAN-1995) Colin T Dolphin, Biochemistry, Queen Mary and Westfield College, University of London, Mile End Road, London, E1 4NS, UK				
FEATURES		Location/Qualifiers				
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ORIGIN

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NI d1109743
DT 08-OCT-1997 (Rel. 52, Created)
DE 08-OCT-1997 (Rel. 52, Last updated, Version 1)
KW CDNA encoding human flavin containing monooxygenase.
OS Homo sapiens (human)
OC Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria; Primates;
Catarrhini; Hominoidea; Homo.
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RP 1-1599
RA Hayashi K., Matsuki Y., Yabusaki Y.;
RT "HUMAN FLAVIN-CONTAINING MONOOXYGENASE";
RL Patent number JP 1996140674-A/7, 04-JUN-1996.
CC SDMTOMO CHEM CO LTD.
CC OS Homo sapiens (human)
CC PN JP 1996140674-A/7